

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

## Complete if Known

Application Number 09/388,509  
 Filing Date September 2, 1999  
 First Named Inventor Yasushi Maruta  
 Art Unit 2734  
 Examiner Name Not Yet Assigned  
 Attorney Docket Number S1905.0086/P086

RECEIVED

NOV 01 2002

Technology Center 2600

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
DAW	AA	5,548,813	08-20-1996	Charas et al.	
DAW	AB	4,748,682	05-31-1998	Fukae et al.	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
DAW	BA	JP-10-051215 (w/ English Abstract)	02-20-1998	Nippon Telegr & Teleph corp.		
DAW	BB	EP-0744841	11-27-1996	Sony Corporation		
DAW	BC	EP-0715478	06-05-1996	Texas Instruments Inc.		

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Japanese Office Action issued April 9, 2002	
DAW	CB	European Search Report issued 10/24/00 in a related application (English)	
DAW	CC	Patent Abstracts of Japan, vol. 1998, no. 11, 30 September 1998 and JP 10-174160 A (NTT IDO TSUSHINMO KK), 26 June 1993 *abstract*	
DAW	CD	Patent Abstracts of Japan, vol. 1996, no. 06, 28 June 1996 & JP 08-032347 A (Nippon Ido Tsushin KK: others: 01), 2 February 1996, *abstract*	

Examiner Signature	<i>Demetrius Williams</i>	Date Considered	1/10/03
--------------------	---------------------------	-----------------	---------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.